

Fig. 1
(Prior Art)

200

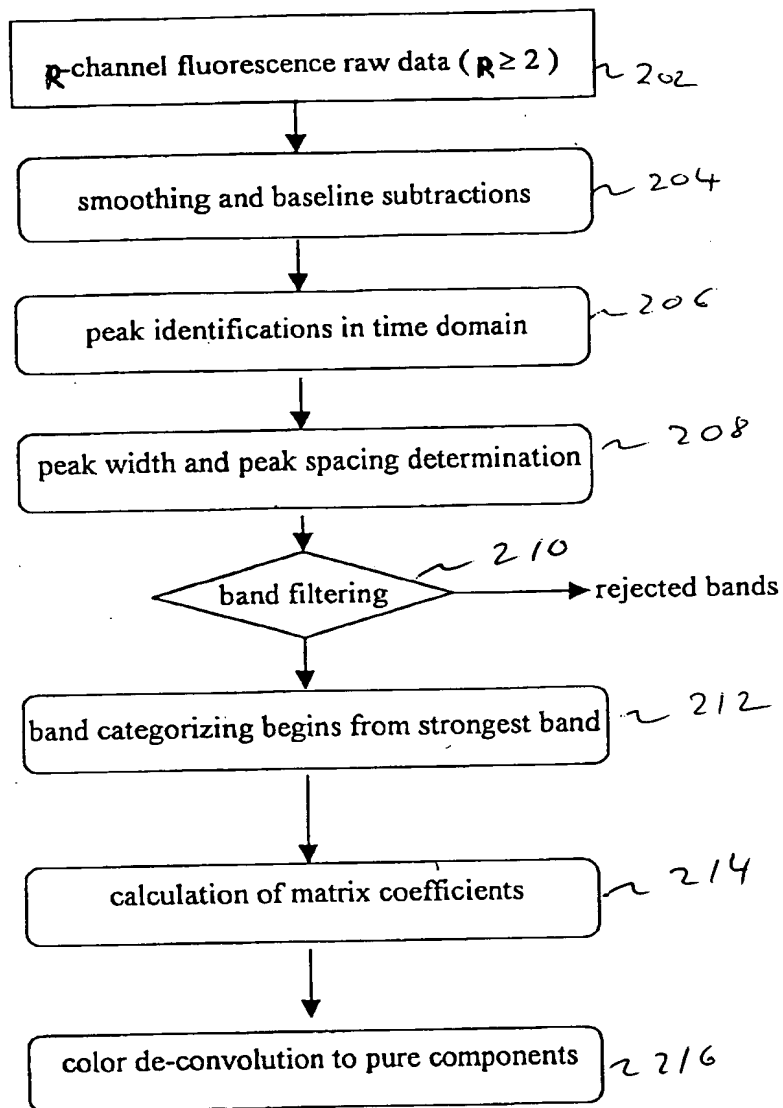


Fig. 2

0000T 000000

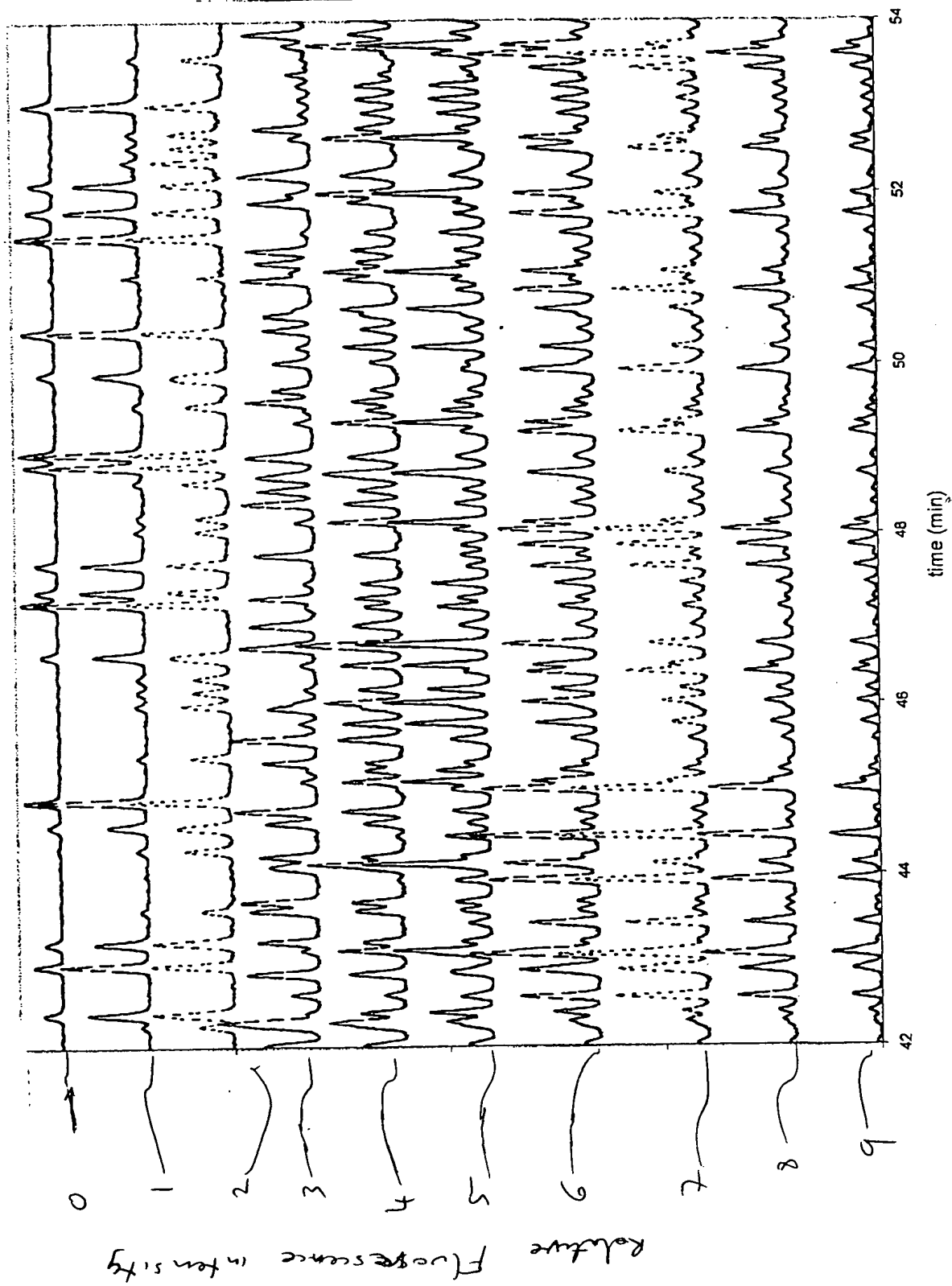


Fig. 3

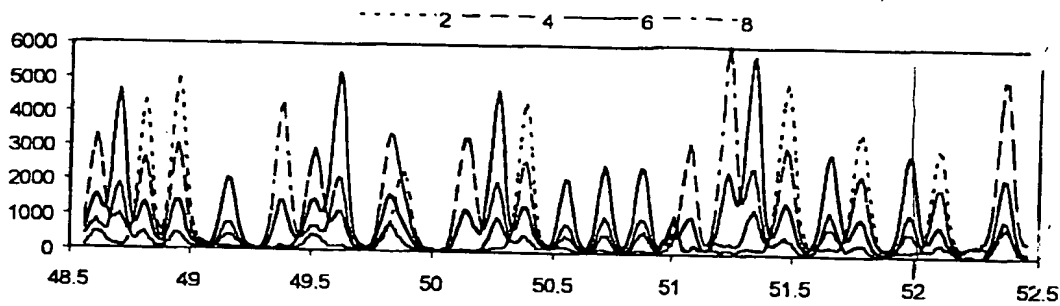


Fig. 4a

Fig. 4a close-up of the electropherograms of only four selected wavelength channel for simplicity.

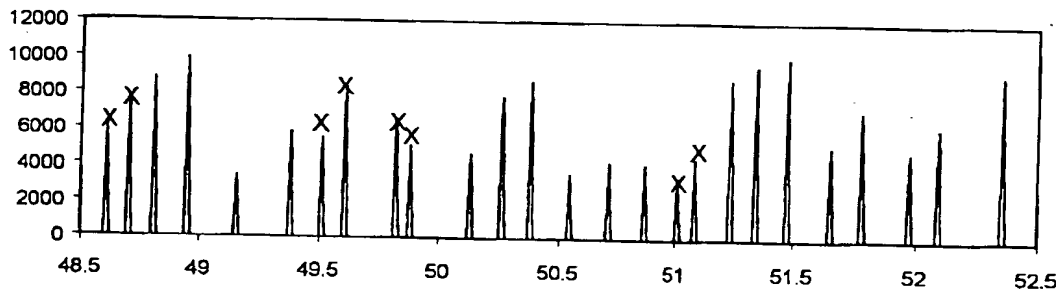


Fig. 4b

Fig. 4b rejected peak labeled with X based on the peak spacing calculation after these peaks in a local section have been processed.

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

1

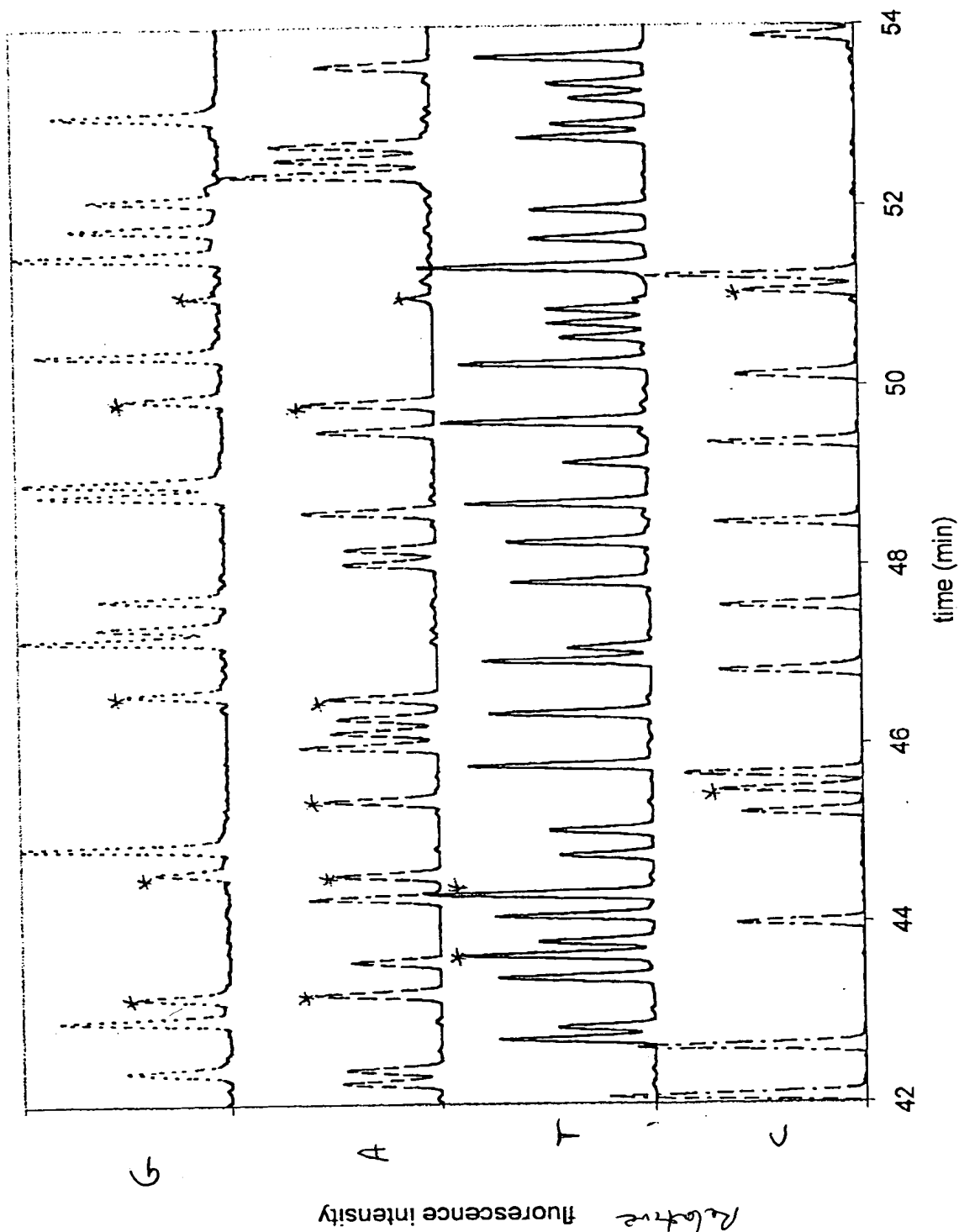


Fig. 5

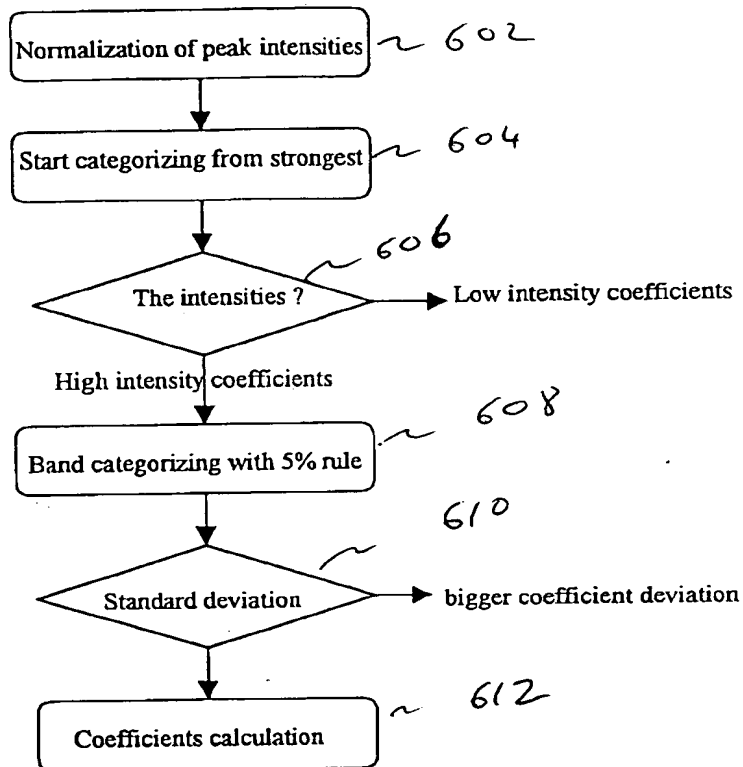


Fig. 6

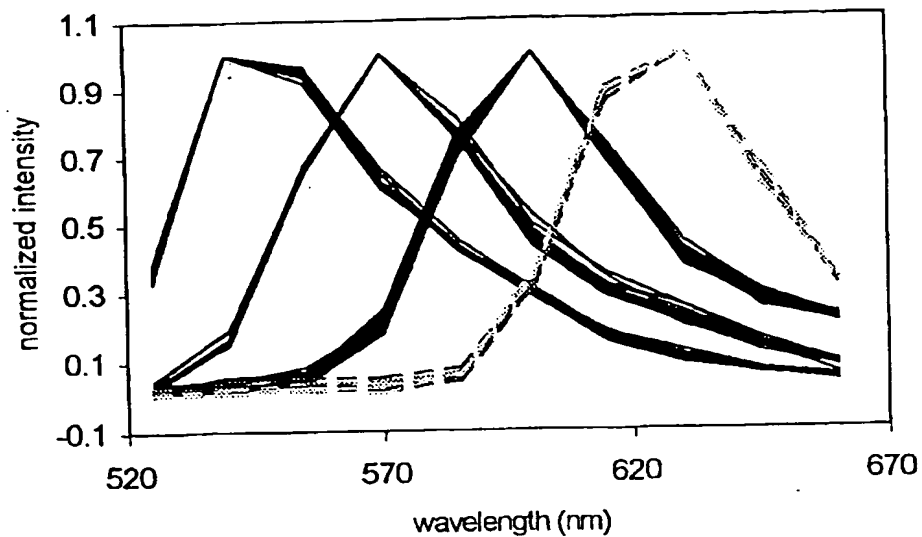


Fig 7a

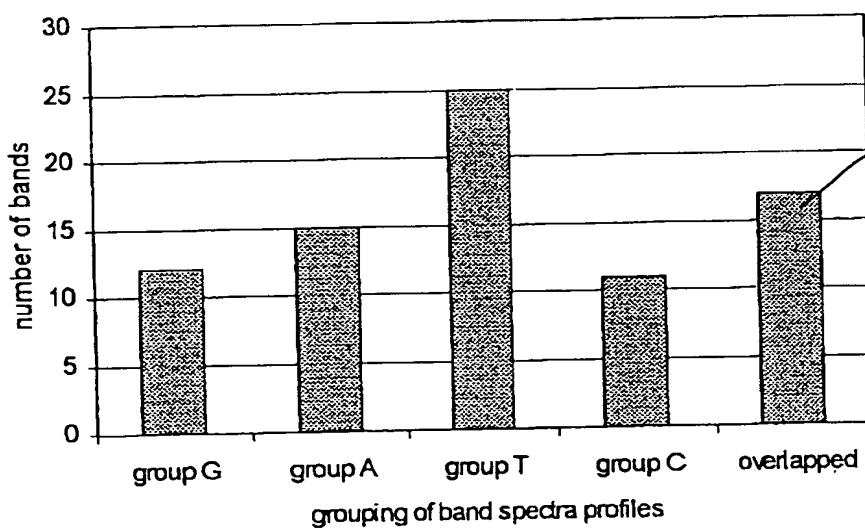


Fig. 7b

Figure 1 consists of 12 histograms arranged in a 4x3 grid. The columns are labeled $n=10$, $n=20$, and $n=30$. The rows are labeled $n=10$, $n=20$, and $n=30$. Each histogram shows the distribution of the number of non-zero elements in the vector x . The x-axis for each histogram is labeled x and ranges from 0 to 10. The y-axis is labeled 'count' and ranges from 0 to 10. The distributions are centered around $x=5$ for $n=10$, $x=10$ for $n=20$, and $x=15$ for $n=30$.

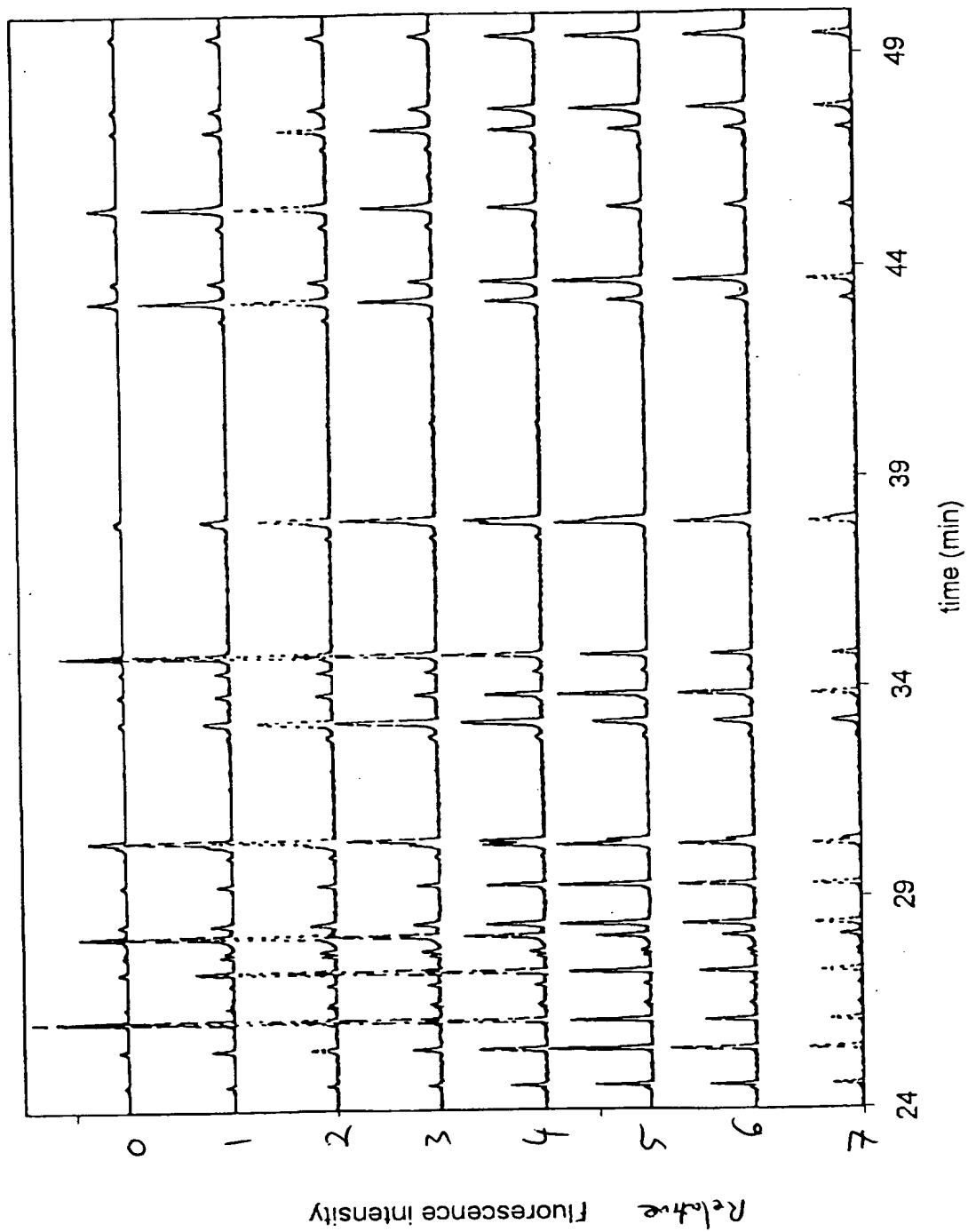


Fig. 8

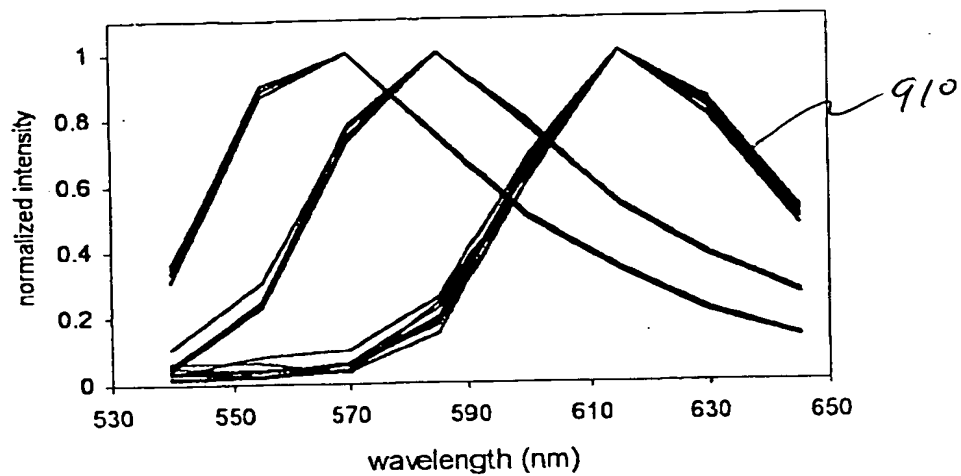


Figure 9a

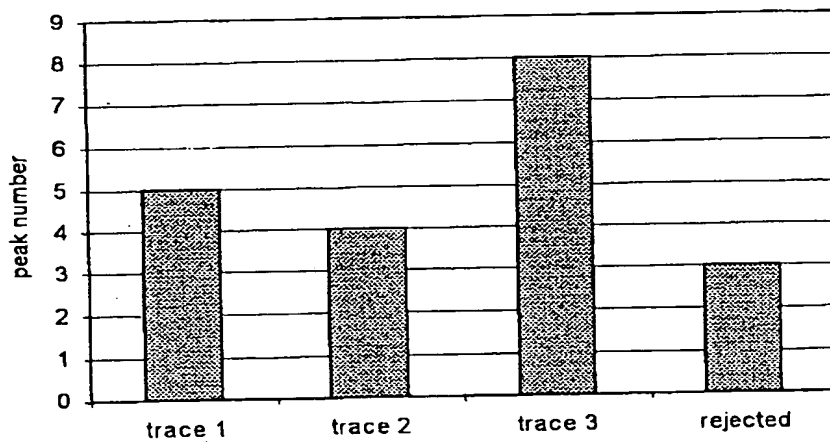


Figure 9b

003007-03694050

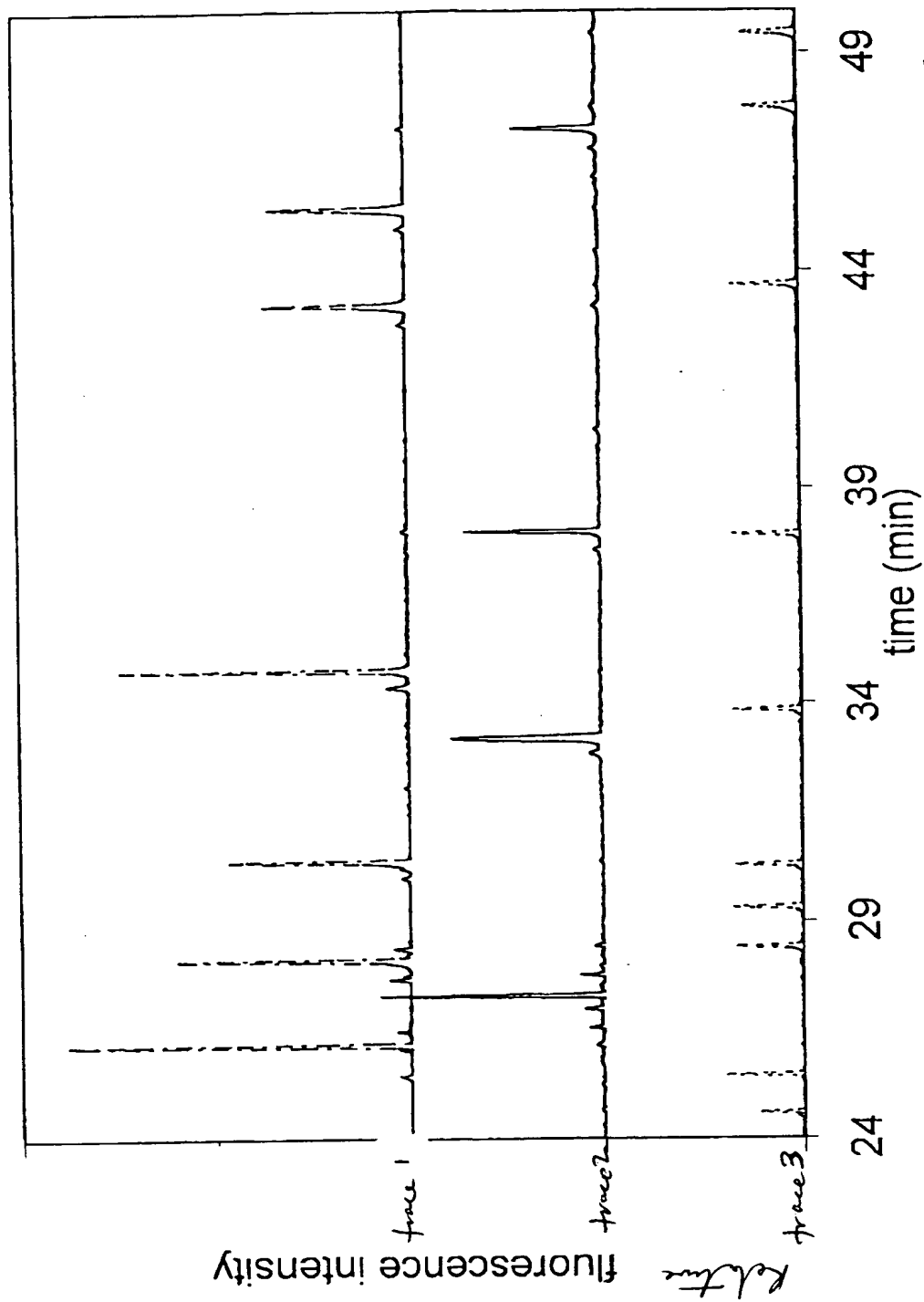


Fig. 10

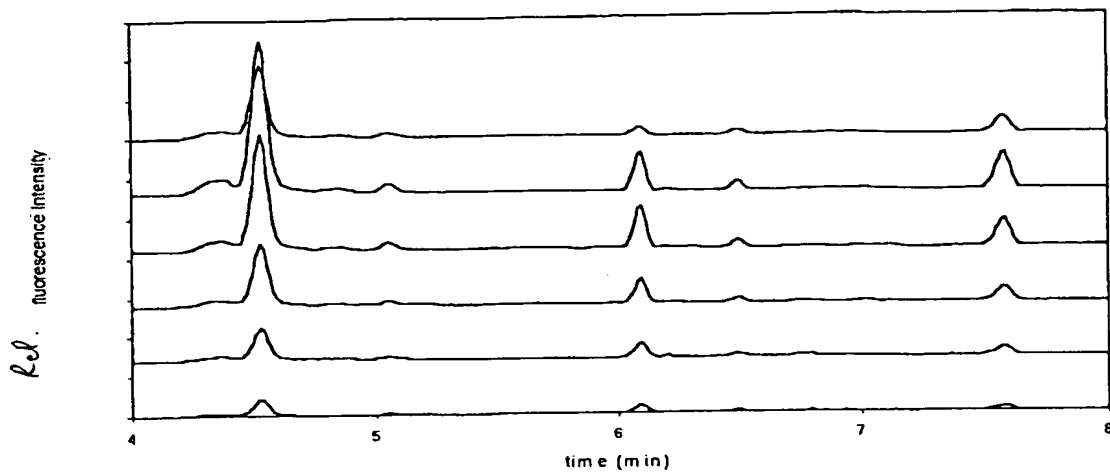


Fig. 11a

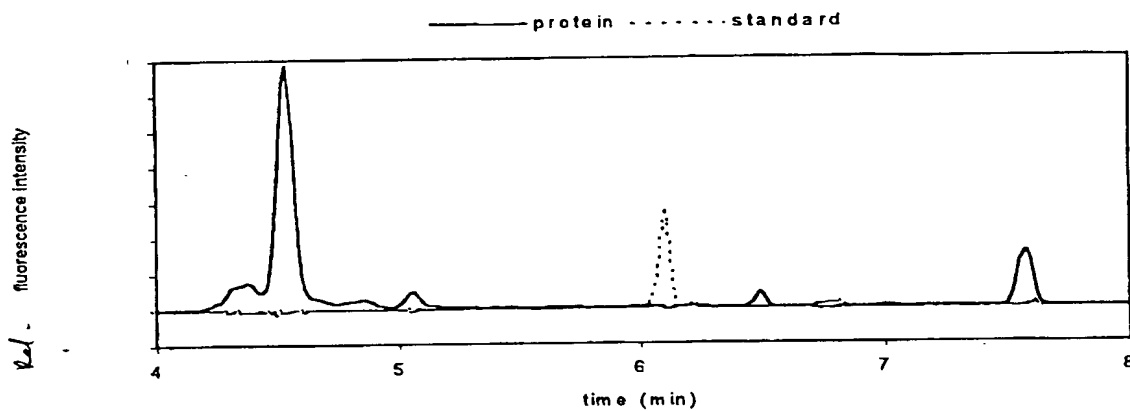


Fig. 11b

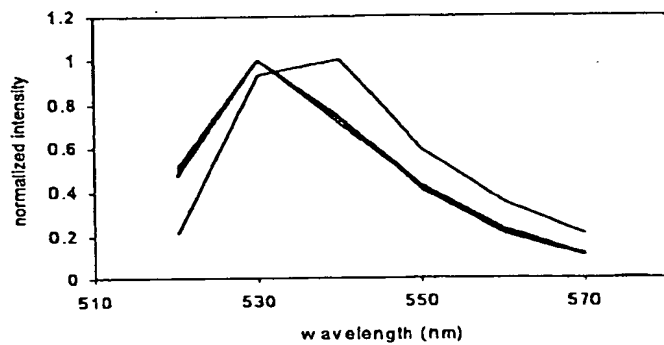


Fig. 11c

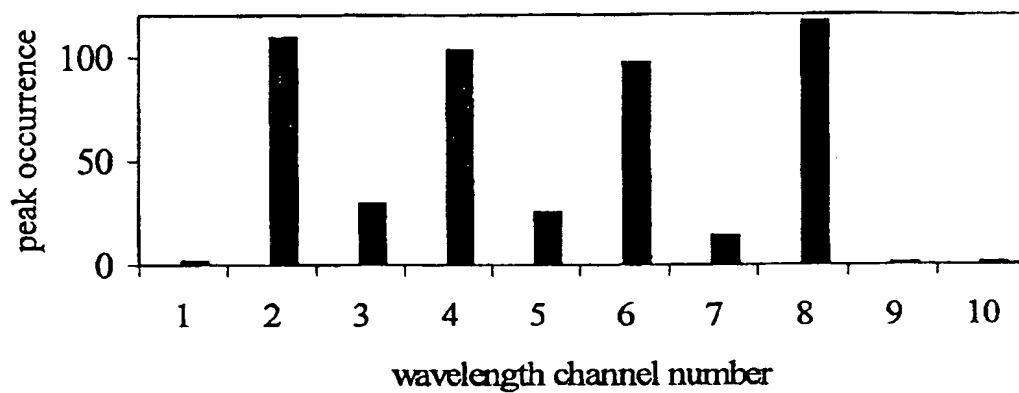


Fig. 12

G	A	T	C
.408	.037	.021	.016
.881	.205	.034	.021
.566	.722	.063	.023
.394	.721	.244	.021
.265	.428	.754	.067
.152	.287	.691	.359
.091	.202	.403	.925
.059	.120	.274	.604
.040	.069	.202	.316

FIG. 13A -- BigDye Terminator Set

G	A	T	C
.448	.079	.026	.021
.944	.379	.058	.021
.685	.847	.223	.035
.451	.806	.670	.067
.281	.551	.844	.274
.173	.373	.528	.765
.108	.249	.357	.784
.116	.162	.248	.480
.050	.099	.163	.300

FIG. 13B -- Rhodamine Terminator Dye Set

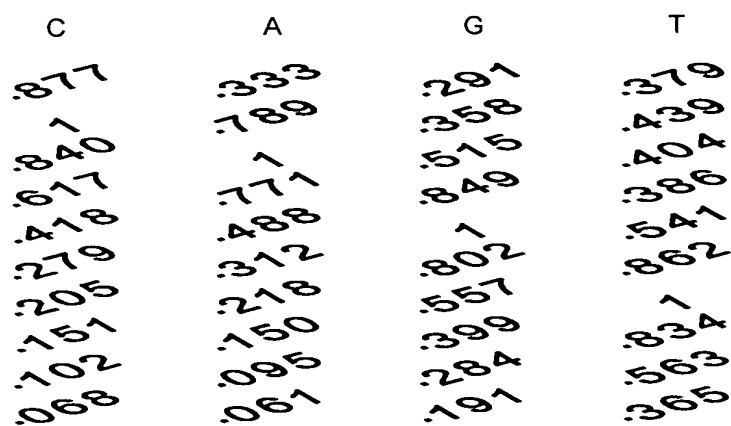


FIG. 13C – ET Primer Dye Set

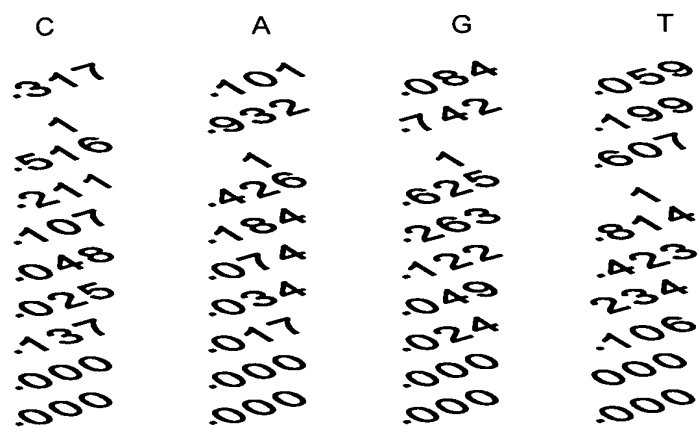
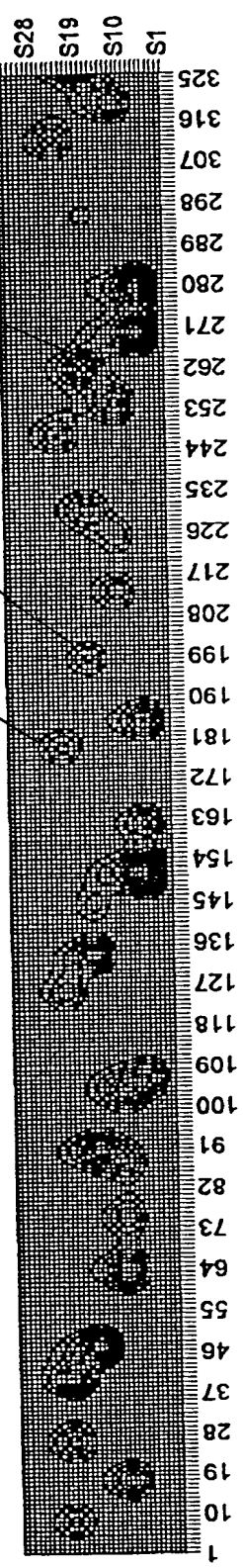


FIG. 13D -- Bodipy Primer Dye Set

□ 4000-7000 □ 7000-10000 □ 10000-13000 □ 13000-16000 □ 16000-19000 □ 19000-22000 □ 22000-25000 □ 25000-28000 □ 28000-31000

110 120 130
 C A C C T A A A T A G C T T G G C C G T A A T C A T G G T C A

700 700 720



Film (Frame) →

□ 4000-7000 □ 7000-10000 □ 10000-13000 □ 13000-16000 □ 16000-19000 □ 19000-22000 □ 22000-25000 □ 25000-28000 □ 28000-31000

Fig. 14

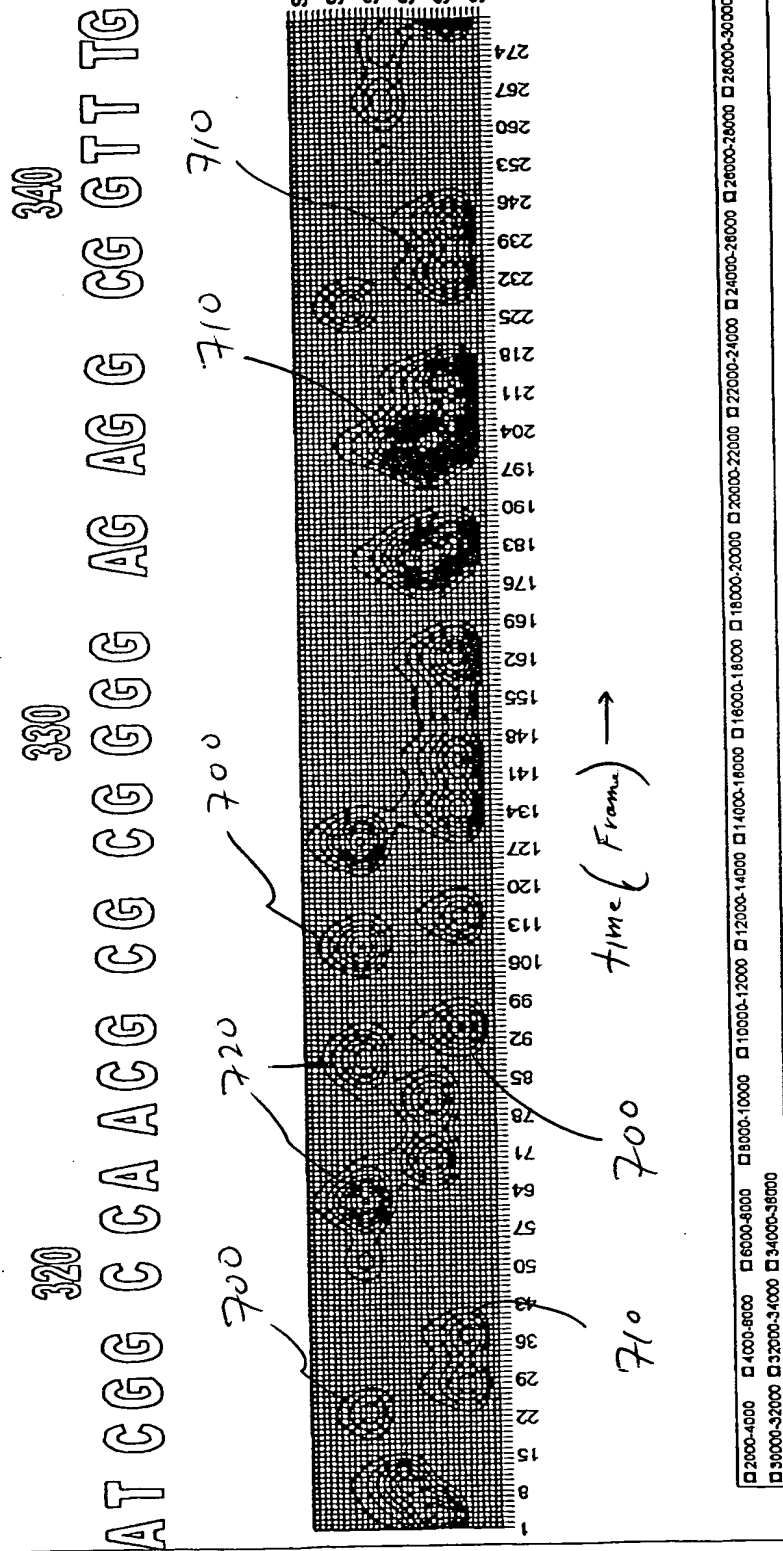
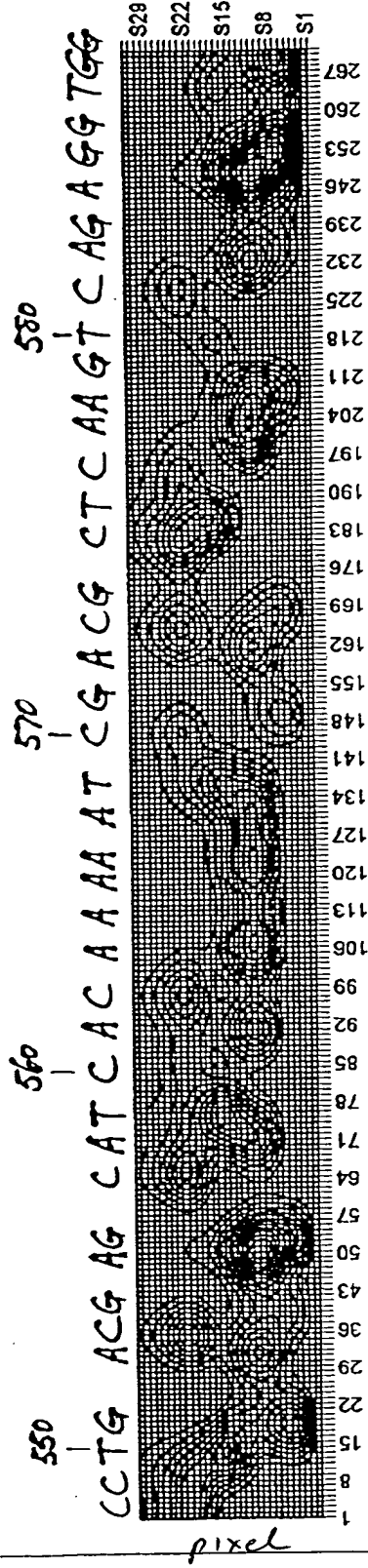
[illegible]

Fig. 15

00200T 0360/060



time (frame) →

<input type="checkbox"/> 1000-2200	<input type="checkbox"/> 2200-3400	<input type="checkbox"/> 3400-4600	<input type="checkbox"/> 4600-5800	<input type="checkbox"/> 5800-7000	<input type="checkbox"/> 7000-8200	<input type="checkbox"/> 8200-9400	<input type="checkbox"/> 9400-10600
<input type="checkbox"/> 10600-11800	<input type="checkbox"/> 11800-13000	<input type="checkbox"/> 13000-14200	<input type="checkbox"/> 14200-15400				

Fig. 16

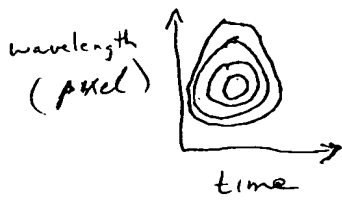


Fig. 17a

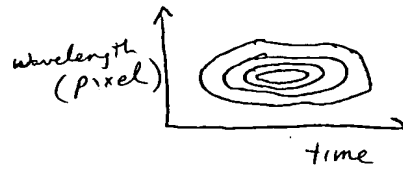


Fig. 17b

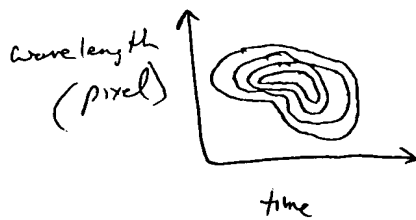
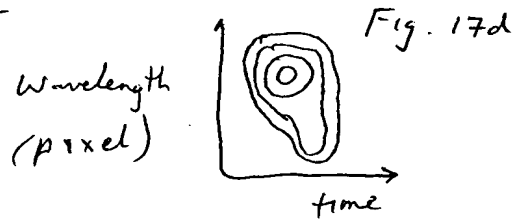
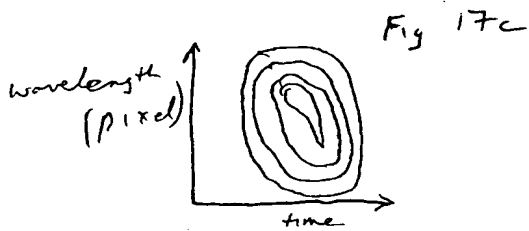


Fig. 17e

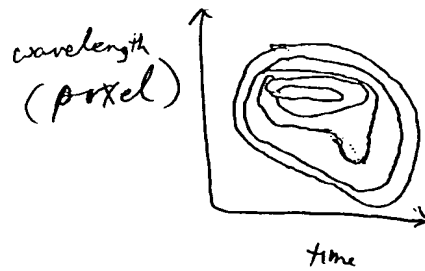


Fig. 17f

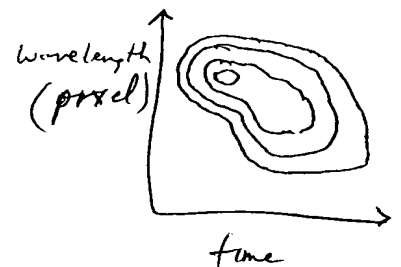


Fig. 17g

Fig. 17